



# PAL ↔ NTSC STANDARDS CONVERTER

● ● ● STC - 100

# STC-100

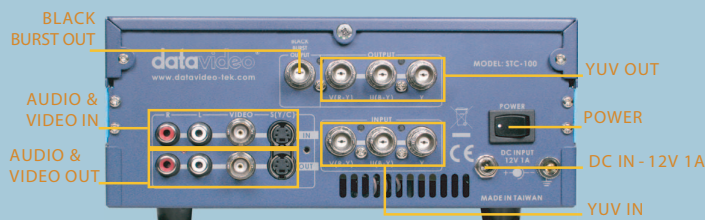
The Datavideo STC-100 is a high quality bi-directional standards converter, for converting NTSC to PAL - PAL to NTSC from Component (YUV), S-Video (Y/C) or Composite (CVBS) video sources. The built in TBC ensures optimum quality is maintained. The STC-100 can also convert from 0 IRE to 7.5 IRE and also from one format to another; i.e. S-Video to Composite etc.



## INTEGRATION



## REAR PANEL



## FEATURES

- PAL and NTSC standard converter, stand alone unit, realtime conversion, no need to spend hours capturing footage into a computer.
- Component, S(Y/C), Composite input and output
- Built in TBC.
- Brightness, contrast, color, and tint adjustable (Tint is NTSC only)
- 0 or 7.5 IRE output selectable, may also convert between 0 and 7.5 IRE
- Audio level calibration, adjust audio output level.
- DC 12V input.

## SPECIFICATION

### Input / Output

Video CVBS, S-Video, YUV  
Audio BNC-Unbalance (Stereo)

### Output:

Video CVBS, S-Video, YUV, Black Burst  
Audio RCA Phone-Unbalance (Stereo)

### Video Processing:

Component 8-bit, 4:2:2, Y: 13.5MHz  
Frame Synchronization

Full Frame TBC  
Frequency Response (S input)

5 MHz +/- 3dB

DG, DP +/- 3%, 3"

S/N Ratio >50 dB

### Video Correction :

Brightness +/- 10%  
Contrast +/- 3dB  
Color +3/-10dB  
Tint +/- 10° (NTSC only)  
Audio Level Calibration  
S/N Ratio >60dB  
THD <0.1%  
Analog Bandwidth 20Hz~20kHz, +/- 3dB

### General:

Power Input DC 12V/1A (AC adapter included)  
Ambient Temperature 32° - 131° F (0° - 55° C)  
Ambient Humidity Less than 90%